

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20040181407".did.	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:36
S2	48537	(xband\$6 creat\$6) with (vocabulary\$6 databas \$4)	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:36
S3	45385	(xband\$6 creat\$6) with (vocabulary\$6 databas \$4) and computer\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:37
S4	13677	(xband\$6 creat\$6) with (vocabulary\$6 databas \$4) and computer\$4 and (speech\$4 voice \$4)	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:37
S5	11857	(xband\$6 creat\$6) with (vocabulary\$6 databas \$4) and computer\$4 and (speech\$4 voice \$4) and automat\$7	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:37
S6	12354	(expand\$6 creat\$6) with (vocabulary\$6 databas\$4) and computer\$4 and (speech\$4 voice\$4) and automat\$7	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:37
S7	72	(expand\$6 creat\$6) with (vocabulary\$6 databas\$4) and computer\$4 and (speech\$4 voice\$4) and automat\$7 and acoustic\$4 near3 train \$6	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:38
S8	4	(expand\$6 creat\$6) with (vocabulary\$6 databas\$4) and computer\$4 and (speech\$4 voice\$4) and automat\$7 and acoustic\$4 near3 train \$6 and telecommunic \$9	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:38

S9	4	(expand\$6 creat\$6) with (vocalbas\$6 databas\$4) and computer\$4 and (speech\$4 voice\$4) and automat\$7 and acoustic\$4 near3 train \$6 and telecommunic \$9 and stream\$5	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:15
S10	0	(expand\$6 creat\$6) with (vocalbas\$6 databas\$4) and computer\$4 and (speech\$4 voice\$4) and automat\$7 and acoustic\$4 near3 train \$6 and telecommunic \$9 and stream\$5 and (voic\$4 audi\$6) near3 synthes\$8	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:39
S11	1	(expand\$6 creat\$6) with (vocalbas\$6 databas\$4) and computer\$4 and (speech\$4 voice\$4) and automat\$7 and acoustic\$4 near3 train \$6 and telecommunic \$9 and stream\$5 and synthes\$8	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:39
S12	9	(expand\$6 creat\$6) with (vocalbas\$6 databas\$4) and computer\$4 and (speech\$4 voice\$4) and automat\$7 and acoustic\$4 near3 train \$6 and stream\$5 and synthes\$8	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:39
S13	9	(expand\$6 creat\$6) with (vocalbas\$6 databas\$4) and computer\$4 and (speech\$4 voice\$4) and automat\$7 and acoustic\$4 near3 train \$6 and stream\$5 and synthes\$8 and text\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:48
S14	2847	(expand\$6 creat\$6) with (vocalbas\$6 databas\$4).ti.	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:42

S15	0	((expand\$6) with vocalur\$6 with databas\$4).ti.	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:43
S16	0	((expand\$6) and vocalur\$7 and databas\$4).ti.	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:43
S17	2453	((expand\$6) and databas\$4).ti.	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:43
S18	828	((expand\$6) and databas\$4) and (speech \$5 voic\$6).ti.	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:44
S19	2	((expand\$6) and databas\$4) and (speech \$5 voic\$6)).ti.	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:44
S20	2453	((expand\$6) and databas\$4).ti.	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:45
S21	0	((expand\$6) and databas\$4 and vocalur\$6).ti.	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:45
S22	200	((expand\$6) and databas\$4 and vocalur\$6).ti,bsum.	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:45
S23	4	((expand\$6) and databas\$4 and vocalur\$6).ti,ab.	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:46
S24	2	((expand\$6) and databas\$4 and vocalur\$6).ti,ab. and acoustic\$6	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:47
S25	1	((expand\$6) and databas\$4 and vocalur\$6).ti,ab. and acoustic\$6 and stream \$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:47
S26	1	((expand\$6) and databas\$4 and vocalur\$6).ti,ab. and acoustic\$6 and telecommunicat\$7	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:47
S27	1	((expand\$6) and databas\$4 and vocalur\$6).ti,ab. and acoustic\$6 and synthes \$8	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:48

S28	517	(expand\$6 creat\$6) with (vocalubar\$6 databas\$4) and computer\$4 and (speech\$4 voice\$4) and automat\$7 and acoustic\$4 and synthes\$8 and text\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:48
S29	295	(expand\$6 creat\$6) with (vocalubar\$6 databas\$4) and computer\$4 and (speech\$4 voice\$4) near4 recognit\$7 and automat\$7 and acoustic\$4 and synthes\$8 and text\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:48
S30	147	(expand\$6 creat\$6) with (vocalubar\$6 databas\$4) and computer\$4 and (speech\$4 voice\$4) near4 recognit\$7 and automat\$7 and acoustic\$4 and synthes\$8 and text\$4 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2007/05/24 19:49
S31	14	(expand\$6) near4 (vocalubar\$6 databas\$4) and computer\$4 and (speech\$4 voice\$4) near4 recognit\$7 and automat\$7 and acoustic\$4 and synthes\$8 and text\$4 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:12
S32	1	"20040181407".did. and stream\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:04
S33	0	"6801893".pn. and stream\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:04
S34	1	"6801893".pn. and acoustic\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:13
S35	0	"6801893".pn. and network\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:14
S36	0	"6801893".pn. and transmit\$6	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:14
S37	1	"6801893".pn. and text\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:19

S38	0	"6801893".pn. and search\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:19
S39	0	"6801893".pn. and internet\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:19
S40	0	"6801893".pn. and web \$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:20
S41	1	"6801893".pn. and read \$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:21
S42	0	"6801893".pn. and synthesis\$4.	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:21
S43	1	"6801893".pn. and synthesis\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:22
S44	0	telecommuniat\$6 with stream\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:22
S45	99	telecommuniat\$6	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:22
S46	0	telecommuniat\$6 and steam\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:22
S47	56	telecommuniat\$6 and stream\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:22
S48	24	telecommuniat\$6 and stream\$4 and internet \$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:23
S49	10	telecommuniat\$6 and stream\$4 and internet \$4 and text\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:23
S50	1	telecommuniat\$6 and stream\$4 and internet \$4 and text\$4 and acoustic\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:23
S51	4	telecommuniat\$6 and stream\$4 and internet \$4 and acoustic\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:23
S52	4	telecommuniat\$6 and internet\$4 and acoustic \$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:24
S53	36	telecommuniat\$6 and internet\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:24
S54	16	telecommuniat\$6 and internet\$4 and search \$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:24
S55	12	telecommuniat\$6 and internet\$4 and search \$4 and (voic\$4 speech \$4)	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:25

S56	8	telecommuniat\$6 and internet\$4 and search \$4 and (voic\$4 speech \$4) and text\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:25
S57	5	telecommuniat\$6 and internet\$4 and search \$4 and (voic\$4 speech \$4) and text\$4 and vocab\$9	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:26
S58	8	telecommuniat\$6 and internet\$4 and search \$4 and (voic\$4 speech \$4) and text\$4 and databas\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:27
S59	16	telecommuniat\$6 and internet\$4 and search \$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:28
S60	8	S59 not S58	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:27
S61	11	telecommuniat\$6 and internet\$4 and search \$4 and (vocabulary\$4 databas\$4)	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:29
S62	107	vocabulary\$5 same telecommunic\$6	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:29
S63	95	vocabulary\$5 same telecommunic\$6 and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:30
S64	19	vocabulary\$5 same telecommunic\$6 same databas\$4 and (speech \$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:41
S65	1	"6049594".pn. and internet\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:42
S66	1	"6049594".pn. and text \$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:42
S67	1	"6049594".pn. and text \$4 same databas\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:44
S68	1	"6049594".pn. and acoustic\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:44
S69	0	"6049594".pn. and seach\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:44
S70	1	"6049594".pn. and search\$4	US-PGPUB; USPAT	OR	OFF	2007/05/24 20:44
S71	1	(US-20040181407-\$). did.	US-PGPUB	OR	OFF	2007/10/31 12:15

S72	1	(US-20040181407-\$). did. and automat\$6	US-PGPUB	OR	OFF	2007/10/31 12:17
S73	1	(US-20040181407-\$). did. and automat\$6 and audio\$4 near3 modul\$4	US-PGPUB	OR	OFF	2007/10/31 12:37
S74	350	vocabular\$7 same (speech\$4 voic\$4) near3 recognition\$4 same automat\$6	US-PGPUB	OR	OFF	2007/10/31 12:21
S75	20	(expand\$6 exten\$8 add \$8) near3 vocabular\$7 same (speech\$4 voic \$4) near3 recognition \$4 same automat\$6	US-PGPUB	OR	OFF	2007/10/31 12:31
S76	28	(expan\$7 creat\$6 exten \$8 add\$8 generat\$6) near3 vocabular\$7 same (speech\$4 voic \$4) near3 recognition \$4 same automat\$6	US-PGPUB	OR	OFF	2007/10/31 12:38
S77	2	S76 not "16"	US-PGPUB	OR	OFF	2007/10/31 12:33
S78	28	S76 not "16"	US-PGPUB	OR	OFF	2007/10/31 12:33
S79	8	S76 not S75	US-PGPUB	OR	OFF	2007/10/31 12:33
S80	0	"6801893".pn. and automat\$7	US-PGPUB	OR	OFF	2007/10/31 12:35
S81	1	(expan\$7 creat\$6 exten \$8 add\$8 generat\$6) near3 vocabular\$7 same audio\$4 near3 modul\$4	US-PGPUB	OR	OFF	2007/10/31 12:37
S82	0	(expan\$7 creat\$6 exten \$8 add\$8 generat\$6) near3 vocabular\$7 same computer\$4.	US-PGPUB	OR	OFF	2007/10/31 12:38
S83	117	(expan\$7 creat\$6 exten \$8 add\$8 generat\$6) near3 vocabular\$7 same computer\$4	US-PGPUB	OR	OFF	2007/10/31 12:38
S84	56	(expan\$7 creat\$6 exten \$8 add\$8 generat\$6) near3 vocabular\$7 with computer\$4	US-PGPUB	OR	OFF	2007/10/31 15:57

S85	0	computer\$4 near3 speak\$5 with automat \$5 with vocabular\$5	US-PGPUB; USPAT	OR	OFF	2007/10/31 15:43
S86	7174	computer\$4 near3 speak\$5	US-PGPUB; USPAT	OR	OFF	2007/10/31 15:44
S87	5	computer\$4 near3 speak\$5 same automat \$5 same vocabular\$5	US-PGPUB; USPAT	OR	OFF	2007/10/31 15:44
S88	1003	(expan\$7 creat\$6 exten \$8 add\$8 generat\$6) near3 vocabular\$7	US-PGPUB	OR	OFF	2007/10/31 15:58
S89	53	(expan\$7 creat\$6 exten \$8 add\$8 generat\$6) near3 vocabular\$7 with (automat\$7)	US-PGPUB	OR	OFF	2007/10/31 16:08
S90	114	(train\$6 enroll\$7) same ((speech\$4 voic\$4) near3 recogni\$7) and synthe\$7 and acoustic \$4 near2 model\$4	US-PGPUB	OR	OFF	2007/10/31 16:11
S91	1	(train\$6 enroll\$7) same ((speech\$4 voic\$4) near3 recogni\$7) and synthe\$7 and acoustic \$4 near2 model\$4 and 704/251...c.	US-PGPUB	OR	OFF	2007/10/31 16:12
S92	1	(train\$6 enroll\$7) same ((speech\$4 voic\$4) near3 recogni\$7) and synthe\$7 and acoustic \$4 near2 model\$4 and 704/251.cds.	US-PGPUB	OR	OFF	2007/10/31 16:13
S93	164	704/251.cds.	US-PGPUB	OR	OFF	2007/10/31 16:13
S94	0	704/251.cds. and Talis. xp.	US-PGPUB	OR	OFF	2007/10/31 16:13
S95	0	704/251.cds. and Talis	US-PGPUB	OR	OFF	2007/10/31 16:13
S96	0	704/251.cds. and smits	US-PGPUB	OR	OFF	2007/10/31 16:13
S97	0	704/251.cds. and smits. xp.	US-PGPUB	OR	OFF	2007/10/31 16:16
S98	0	smits.xp.	US-PGPUB	OR	OFF	2007/10/31 16:14
S99	562	smits	US-PGPUB	OR	OFF	2007/10/31 16:14

S100	0	smits and "704"/\$.ccls.	US-PGPUB	OR	OFF	2007/10/31 16:14
S101	0	smits and "704"/.ccls.	US-PGPUB	OR	OFF	2007/10/31 16:14
S102	0	smits and 704/251.ccls.	US-PGPUB	OR	OFF	2007/10/31 16:15
S103	0	smits and "704"/\$.ccls.	US-PGPUB	OR	OFF	2007/10/31 16:15
S104	0	(Jakieda and Jackson). xp.	US-PGPUB	OR	OFF	2007/10/31 16:15
S105	0	(Jakieda and Jackson)	US-PGPUB	OR	OFF	2007/10/31 16:15
S106	0	704/251.ccls. and smits. xp.	US-PGPUB	OR	OFF	2007/10/31 16:17
S107	27	704/251.ccls. and smits. xp.	US-PGPUB; USPAT	OR	OFF	2007/10/31 16:17
S108	6	704/251.ccls. and smits. xp. and (learn\$4 enroll \$4) and (speech\$4 voic \$4) near3 recogni\$6	US-PGPUB; USPAT	OR	OFF	2007/10/31 16:18
S109	16	704/251.ccls. and smits. xp. and (train\$4 enroll \$4) and (speech\$4 voic \$4) near3 recogni\$6	US-PGPUB; USPAT	OR	OFF	2007/10/31 16:18
S110	9	704/251.ccls. and smits. xp. and (train\$4 enroll \$4) and (speech\$4 voic \$4) near3 recogni\$6 and acoustic\$4 near3 model\$4	US-PGPUB; USPAT	OR	OFF	2007/10/31 16:22
S111	3	704/251.ccls. and smits. xp. and (expan\$7 creat \$6 exten\$8 add\$8 generat\$6) near3 vocabulary\$7	US-PGPUB; USPAT	OR	OFF	2007/10/31 17:04
S112	11	(speech\$4 voic\$4 spoken\$4) with automat \$8 with (computer\$4 machin\$4) same (expan \$5 creat\$4 generat\$7 add\$5) with vocabula \$7	US-PGPUB; USPAT	OR	OFF	2007/10/31 17:06
S113	1	"20040181407".did. and stream\$55	US-PGPUB; USPAT	OR	OFF	2007/10/31 17:19
S114	1	"20040181407".did. and stream\$5	US-PGPUB; USPAT	OR	OFF	2007/10/31 17:19

S115	0	("5425128" "6363348"). did. and stream\$5	US-PGPUB; USPAT	OR	OFF	2007/10/31 17:20
S116	0	("5425128" "6363348"). pn. and stream\$5	US-PGPUB; USPAT	OR	OFF	2007/11/01 10:34
S117	0	"6363348".pn. and telecommunica\$6	US-PGPUB; USPAT	OR	OFF	2007/11/01 10:37
S118	1	"6363348".pn. and (tele \$9)	US-PGPUB; USPAT	OR	OFF	2007/11/01 10:38
S119	0	"6363348".pn. and synthes\$5	US-PGPUB; USPAT	OR	OFF	2007/11/01 10:38
S120	1	"6363348".pn. and text \$4	US-PGPUB; USPAT	OR	OFF	2007/11/01 10:39
S121	0	"6363348".pn. and text \$4 near3 (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2007/11/01 10:39
S122	0	"6363348".pn. and text \$4 with (speech\$4 voic \$4)	US-PGPUB; USPAT	OR	OFF	2007/11/01 10:39
S123	0	"6363348".pn. and text \$4to\$4speech\$4	US-PGPUB; USPAT	OR	OFF	2007/11/01 10:42
S124	1	"6363348".pn. and search\$4	US-PGPUB; USPAT	OR	OFF	2007/11/01 10:53
S125	1	"6363348".pn. and acoustic\$4	US-PGPUB; USPAT	OR	OFF	2007/11/01 10:53
S126	1	"6363348".pn. and acoustic\$4 same train \$5	US-PGPUB; USPAT	OR	OFF	2007/11/01 10:57
S127	1	"6363348".pn. and text \$4	US-PGPUB; USPAT	OR	OFF	2007/11/01 10:59
S128	0	"6363348".pn. and conver\$6	US-PGPUB; USPAT	OR	OFF	2007/11/01 11:00
S129	1	"6363348".pn. and text \$4 same automatic\$4	US-PGPUB; USPAT	OR	OFF	2007/11/01 11:12
S130	1	"6049594".pn. and synthes\$6	US-PGPUB; USPAT	OR	OFF	2007/11/01 12:03
S131	1	"6801893".pn. and synthesi\$6	US-PGPUB; USPAT	OR	OFF	2007/11/01 12:03
S132	1	"6363348".pn. and (microphon\$4)	US-PGPUB; USPAT	OR	OFF	2008/04/21 08:22
S133	60	(speak\$4 speech\$4) with vocabular\$5 with expand\$4	US-PGPUB; USPAT	OR	OFF	2008/06/30 23:23

S134	1	(speak\$4 speech\$4) with vocabular\$5 with expand\$4 same input \$4	US-PGPUB; USPAT	OR	OFF	2008/06/30 23:25
S135	21	(speak\$4 speech\$4) with vocabular\$5 with expand\$4 same input \$4	US-PGPUB; USPAT	OR	OFF	2008/06/30 23:25
S136	11	(speaking inputting) with vocabular\$4 with expan\$6	US-PGPUB; USPAT	OR	OFF	2008/07/01 09:25
S137	1	"6185530".pn.	US-PGPUB; USPAT	OR	OFF	2008/07/01 09:51
S138	0	"6185530".pn. and automat\$5	US-PGPUB; USPAT	OR	OFF	2008/07/01 09:51
S139	1	"6185530".pn. and computer\$4	US-PGPUB; USPAT	OR	OFF	2008/07/01 09:51
S140	1	"6185530".pn. and acoustic\$4	US-PGPUB; USPAT	OR	OFF	2008/07/01 09:52
S141	0	"6185530".pn. and acoustic\$4 near2 train \$5	US-PGPUB; USPAT	OR	OFF	2008/07/01 09:52
S142	1	"6185530".pn. and acoustic\$4 same train \$6	US-PGPUB; USPAT	OR	OFF	2008/07/01 09:56
S143	0	"6185530".pn. and internet\$4	US-PGPUB; USPAT	OR	OFF	2008/07/01 09:58
S144	0	"6185530".pn. and telecommun\$9	US-PGPUB; USPAT	OR	OFF	2008/07/01 09:58
S145	1	"6185530".pn. and speak\$5	US-PGPUB; USPAT	OR	OFF	2008/07/01 10:01
S146	1	"6185530".pn. and synthe\$5	US-PGPUB; USPAT	OR	OFF	2008/07/01 10:13
S147	0	"6185530".pn. and stream\$4	US-PGPUB; USPAT	OR	OFF	2008/07/01 10:14
S148	1	"6185530".pn. and text \$4	US-PGPUB; USPAT	OR	OFF	2008/07/01 10:14
S149	1	"6185530".pn. and search\$4	US-PGPUB; USPAT	OR	OFF	2008/07/01 10:15
S150	0	"6185530".pn. and external\$4	US-PGPUB; USPAT	OR	OFF	2008/07/01 10:16
S151	1	"6185530".pn. and computer\$4	US-PGPUB; USPAT	OR	OFF	2008/07/01 10:25
S152	1	"6185530".pn. and acoustic\$4	US-PGPUB; USPAT	OR	OFF	2008/07/01 10:28

S153	1	"6185530".pn. and automatic\$4	US-PGPUB; USPAT	OR	OFF	2008/07/01 10:45
S154	1	"6185530".pn. and automatic\$6	US-PGPUB; USPAT	OR	OFF	2008/07/01 10:45
S155	0	"6185530".pn. and automatic\$6 same text \$4	US-PGPUB; USPAT	OR	OFF	2008/07/01 10:45
S156	1	"6185530".pn. and automatic\$6 and text \$4	US-PGPUB; USPAT	OR	OFF	2008/07/01 10:45

7/1/08 11:55:27 AM

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